

**Los Angeles County
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Interim Chief Medical Officer

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through leadership,
service and education.*



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January 26, 2010

TO: Each Supervisor

FROM: John F. Schunhoff, Ph.D. 
Interim Director

SUBJECT: **STATUS REPORT ON KEY INDICATORS OF
PROGRESS, HOSPITAL OPERATIONS, AND OTHER
ISSUES RELATED TO THE TRANSITION TO THE
NEW LAC+USC MEDICAL CENTER – PROGRESS
REPORT #28 (Agenda Item #S-1, January 26, 2010)**

This is to provide your Board with the bi-monthly report on the status of transitioning to the new LAC+USC Medical Center (LAC+USC). This report is the full monthly operational report with trends to include the month of December 2009.

Census Trending (ADC includes Psychiatric & Newborn Patients)

The Average Daily Census (ADC) for the month of November was 559 out of 671 licensed beds, an estimated 82% utilization rate (84% occupancy). The census for Medical/Surgical units was an estimated 91% utilization rate (93% occupancy) for December 2009.

Emergency Department (ED) Indicators

In the last month's report, all ED metrics demonstrated improvement as compared to the prior 6-8 months. In December, these improvements continue with reductions in Median Board Time, Left Without Being Seen and ALS Diversion.

Crowding Level Comparison -- This reporting period shows continued reductions in high levels of overcrowding, with near zero percent time in the Dangerously Overcrowded level and additional 5% reduction in the Severely Overcrowded level.

Transfers Out of Hospital -- The number of transfers out was 173 for the month of December, another 10% increase compared with November. This is reducing the levels of overcrowding, wait time indicators, and patients Left Without Being Seen.

Trends in Average Daily Census

The Average Length of Stay (ALOS) trending is downward at 5.8 days for December, 2009, the lowest since mid-2009, approaching the target of 5.5 days.

If you have any questions or need additional information please contact me or Carol Meyer, Chief Network Officer at (213) 240-8370.

JFS:CM:pm
811:003

Attachments

c: Chief Executive Office
County Counsel
Executive Office, Board of Supervisors

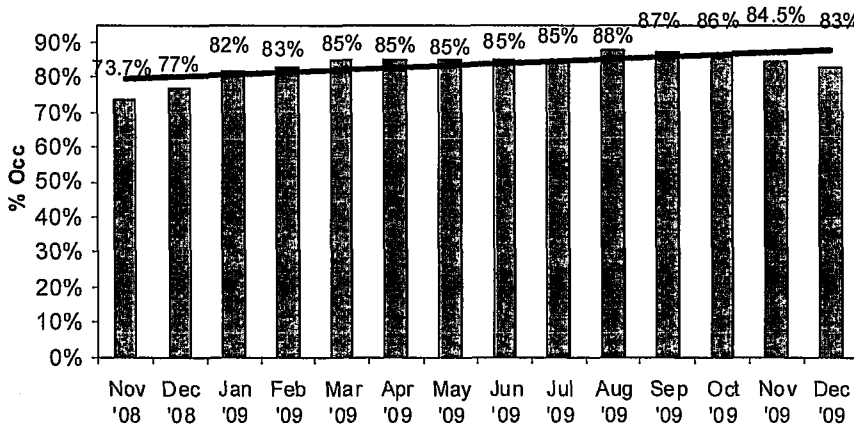
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Indicator	Definition	Data	Comments																																																								
Indicator #1 – Trends in Average Daily Census and Hospital Operations Metrics																																																											
1a. Average Daily Census (ADC)	<p>ADC: A measure of the total number of inpatients occupying licensed beds on a daily basis reported as the arithmetic mean.</p> <p>Calculation: Total number of admitted inpatients at 12:00 AM midnight daily, summed over the month and divided by the total number of days in the month.</p> <p>Source of Data: Affinity</p>	<div><p style="text-align: center;">ADC</p><table><tr><th>Month</th><th>ADC</th></tr><tr><td>Oct '06</td><td>637</td></tr><tr><td>Dec '06</td><td>598</td></tr><tr><td>Feb '07</td><td>623</td></tr><tr><td>Apr '07</td><td>612</td></tr><tr><td>Jun '07</td><td>605</td></tr><tr><td>Aug '07</td><td>625.5</td></tr><tr><td>Oct '07</td><td>623</td></tr><tr><td>Dec '07</td><td>590</td></tr><tr><td>Feb '08</td><td>609</td></tr><tr><td>Apr '08</td><td>605</td></tr><tr><td>Jun '08</td><td>583</td></tr><tr><td>Aug '08</td><td>611</td></tr><tr><td>Oct '08</td><td>578</td></tr><tr><td>Dec '08</td><td>596</td></tr><tr><td>Feb '09</td><td>491</td></tr><tr><td>Apr '09</td><td>525</td></tr><tr><td>Jun '09</td><td>551</td></tr><tr><td>Aug '09</td><td>563</td></tr><tr><td>Oct '09</td><td>572</td></tr><tr><td>Dec '09</td><td>577</td></tr><tr><td>Feb '10</td><td>572</td></tr><tr><td>Apr '10</td><td>573</td></tr><tr><td>Jun '10</td><td>592</td></tr><tr><td>Aug '10</td><td>589</td></tr><tr><td>Oct '10</td><td>581</td></tr><tr><td>Dec '10</td><td>567</td></tr><tr><td>Feb '11</td><td>559</td></tr></table></div> <p>Note: Average Daily Census number reported includes Medical Center + Psych + Newborns Census.</p>	Month	ADC	Oct '06	637	Dec '06	598	Feb '07	623	Apr '07	612	Jun '07	605	Aug '07	625.5	Oct '07	623	Dec '07	590	Feb '08	609	Apr '08	605	Jun '08	583	Aug '08	611	Oct '08	578	Dec '08	596	Feb '09	491	Apr '09	525	Jun '09	551	Aug '09	563	Oct '09	572	Dec '09	577	Feb '10	572	Apr '10	573	Jun '10	592	Aug '10	589	Oct '10	581	Dec '10	567	Feb '11	559	ADC provided as background information.
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Indicator #1 – Trends in Average Daily Census and Hospital Operations Metrics			
1b. Occupancy Rate LAC+USC Medical Center	<p>Definition: A measure of the usage of the licensed beds during the reporting period that is derived by dividing the patient days in the reporting period by the licensed bed days in the reporting period.</p> <p>Calculation: The total number of admitted inpatients at 12:00 AM midnight, including women in labor, may include normal newborns and psychiatric inpatients divided by licensed or budgeted beds.</p> <p>Source of Data: Affinity</p> <p>Target: 95%</p>	<p>1. Medical Center Licensed Occupancy Rate (excluding Newborns) = Med Center Census – Newborns / 600</p> <p style="text-align: center;">Med Center Census – Newborns / 600</p> <p>2. Medical Center Licensed Occupancy Rate (including Newborns)</p> <p style="text-align: center;">Med Center Census + Newborns / 600</p>	<p>For comparison, occupancy rates reported in the old facility were reported including newborns and were based on budgeted beds.</p>

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		<div>3. Healthcare Network Budgeted Occupancy Med Center Census + Newborns + Psych Hosp Census / 671 Med Center Census + Newborns + Psych Hosp Census / 671</div> <div><table><thead><tr><th>Month</th><th>% Occ</th></tr></thead><tbody><tr><td>Nov '08</td><td>73.7%</td></tr><tr><td>Dec '08</td><td>77%</td></tr><tr><td>Jan '09</td><td>82%</td></tr><tr><td>Feb '09</td><td>83%</td></tr><tr><td>Mar '09</td><td>85%</td></tr><tr><td>Apr '09</td><td>85%</td></tr><tr><td>May '09</td><td>85%</td></tr><tr><td>Jun '09</td><td>85%</td></tr><tr><td>Jul '09</td><td>85%</td></tr><tr><td>Aug '09</td><td>88%</td></tr><tr><td>Sep '09</td><td>87%</td></tr><tr><td>Oct '09</td><td>86%</td></tr><tr><td>Nov '09</td><td>84.5%</td></tr><tr><td>Dec '09</td><td>83%</td></tr></tbody></table></div> <div>Medical Center = New Facility Healthcare Network = New Facility + Psychiatric Hospitals</div>	Month	% Occ	Nov '08	73.7%	Dec '08	77%	Jan '09	82%	Feb '09	83%	Mar '09	85%	Apr '09	85%	May '09	85%	Jun '09	85%	Jul '09	85%	Aug '09	88%	Sep '09	87%	Oct '09	86%	Nov '09	84.5%	Dec '09	83%	
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2a. Median Emergency Department Boarding Time (EDBT) *Harris Rodde Indicator	Boarding Time: Time from MD Admit time (effective date and time of pre-admit) to time the patient actually leaves the ED en route to assigned bed (effective date and time of the ED disposition). Calculation: The middle value in the set of individual boarding times for the month arranged in increasing order. If there is an even number of values, then the median is the average of the middle two values. Source of Data: Affinity Target: Less than 7 hours.	<p style="text-align: center;">Median EDBT</p> <table border="1"> <caption>Median EDBT Data (Time in hr:min)</caption> <thead> <tr> <th>Month</th> <th>Adult</th> <th>Peds</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>Nov '08</td><td>4:28</td><td>2:18</td><td>4:12</td></tr> <tr><td>Dec '08</td><td>4:58</td><td>2:17</td><td>4:33</td></tr> <tr><td>Jan '09</td><td>5:22</td><td>2:21</td><td>4:28</td></tr> <tr><td>Feb '09</td><td>5:14</td><td>3:00</td><td>4:44</td></tr> <tr><td>Mar '09</td><td>6:06</td><td>2:22</td><td>6:06</td></tr> <tr><td>Apr '09</td><td>4:34</td><td>2:32</td><td>4:00</td></tr> <tr><td>May '09</td><td>5:00</td><td>2:36</td><td>4:32</td></tr> <tr><td>Jun '09</td><td>5:37</td><td>2:36</td><td>5:01</td></tr> <tr><td>Jul '09</td><td>5:13</td><td>2:39</td><td>4:41</td></tr> <tr><td>Aug '09</td><td>5:37</td><td>2:53</td><td>4:44</td></tr> <tr><td>Sep '09</td><td>4:36</td><td>2:40</td><td>3:57</td></tr> <tr><td>Oct '09</td><td>4:02</td><td>2:32</td><td>3:45</td></tr> <tr><td>Nov '09</td><td></td><td>2:47</td><td></td></tr> <tr><td>Dec '09</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Dec '09 data is Preliminary data</p>	Month	Adult	Peds	Total	Nov '08	4:28	2:18	4:12	Dec '08	4:58	2:17	4:33	Jan '09	5:22	2:21	4:28	Feb '09	5:14	3:00	4:44	Mar '09	6:06	2:22	6:06	Apr '09	4:34	2:32	4:00	May '09	5:00	2:36	4:32	Jun '09	5:37	2:36	5:01	Jul '09	5:13	2:39	4:41	Aug '09	5:37	2:53	4:44	Sep '09	4:36	2:40	3:57	Oct '09	4:02	2:32	3:45	Nov '09		2:47		Dec '09				
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Indicator #2 - Emergency Department Metrics			
2b. ED Wait Time	<p>ED Wait Time: Measured from time patient is triaged to time patient is either admitted or discharged reported as an arithmetic mean.</p> <p>Definition: Sum of all wait time values during the monthly reporting period divided by the total number of values.</p> <p>Source of Data: Affinity</p> <p>Target: No target value. Lower numbers are better.</p>	<p style="text-align: center;">ED Average Wait Time</p> <p>Adult Wait Time : *Excludes Psych, Pediatric, Observation Unit, and Jail patients</p> <p>Total ED Wait time: *Excludes Psych, Observation Unit, and Jail</p> <p>Dec '09 data is Preliminary data</p>	

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2c. Left Without Being Seen (LWBS) *Harris Rodde Indicator	<p>LWBS: The total number of patients who left the ED without being seen by a physician reported as a percentage of all ED visits.</p> <p>Calculation: The total number of patients who left the ED without being seen divided by the total number of ED patient visits on a monthly basis.</p> <p>Source of Data: Affinity</p> <p>Target: No target value. Lower numbers are better.</p>	<p style="text-align: center;">Left Without Being Seen</p> <p style="text-align: center;">Dec '09 data is Preliminary data</p>	

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2d. ED Diversion	<p>ED Diversion: A percentage measure of the time the ED diverts ambulance traffic away from the ED, reported as a function of the reason for diversion on a monthly basis.</p> <p>Calculation: The total number of hours of ED diversion for a specific reason divided by the total number of available hours in a month.</p> <p>Source of Data: ReddiNet</p>	<p>Diversion of ALS Units due to ED Saturation</p> <table><thead><tr><th>Month</th><th>% on Diversion</th></tr></thead><tbody><tr><td>Oct '06</td><td>49</td></tr><tr><td>Nov '06</td><td>42</td></tr><tr><td>Dec '06</td><td>31</td></tr><tr><td>Jan '07</td><td>38</td></tr><tr><td>Feb '07</td><td>45</td></tr><tr><td>Mar '07</td><td>42</td></tr><tr><td>Apr '07</td><td>38</td></tr><tr><td>May '07</td><td>31</td></tr><tr><td>Jun '07</td><td>32</td></tr><tr><td>Jul '07</td><td>34</td></tr><tr><td>Aug '07</td><td>36</td></tr><tr><td>Sep '07</td><td>28</td></tr><tr><td>Oct '07</td><td>21</td></tr><tr><td>Nov '07</td><td>21</td></tr><tr><td>Dec '07</td><td>25</td></tr><tr><td>Jan '08</td><td>52</td></tr><tr><td>Feb '08</td><td>51</td></tr><tr><td>Mar '08</td><td>51</td></tr><tr><td>Apr '08</td><td>30</td></tr><tr><td>May '08</td><td>23</td></tr><tr><td>Jun '08</td><td>25</td></tr><tr><td>Jul '08</td><td>42</td></tr><tr><td>Aug '08</td><td>50</td></tr><tr><td>Sep '08</td><td>51</td></tr><tr><td>Oct '08</td><td>50</td></tr><tr><td>Nov '08</td><td>40</td></tr><tr><td>Dec '08</td><td>58</td></tr><tr><td>Jan '09</td><td>52</td></tr><tr><td>Feb '09</td><td>55</td></tr><tr><td>Mar '09</td><td>58</td></tr><tr><td>Apr '09</td><td>35</td></tr><tr><td>May '09</td><td>35</td></tr><tr><td>Jun '09</td><td>63</td></tr><tr><td>Jul '09</td><td>52</td></tr><tr><td>Aug '09</td><td>51</td></tr><tr><td>Sep '09</td><td>59</td></tr><tr><td>Oct '09</td><td>41</td></tr><tr><td>Nov '09</td><td>32</td></tr></tbody></table>	Month	% on Diversion	Oct '06	49	Nov '06	42	Dec '06	31	Jan '07	38	Feb '07	45	Mar '07	42	Apr '07	38	May '07	31	Jun '07	32	Jul '07	34	Aug '07	36	Sep '07	28	Oct '07	21	Nov '07	21	Dec '07	25	Jan '08	52	Feb '08	51	Mar '08	51	Apr '08	30	May '08	23	Jun '08	25	Jul '08	42	Aug '08	50	Sep '08	51	Oct '08	50	Nov '08	40	Dec '08	58	Jan '09	52	Feb '09	55	Mar '09	58	Apr '09	35	May '09	35	Jun '09	63	Jul '09	52	Aug '09	51	Sep '09	59	Oct '09	41	Nov '09	32	<p>This is slightly lower than the before move diversion history which generally ranged between 50-60%.</p> <p>Key points:</p> <ul style="list-style-type: none">-- Diversion is for paramedic runs only; Basic Life Support ambulances still arrive.-- When diversion is requested but all hospitals in the area are on diversion, patients go to the closest hospital. Therefore, ambulances often arrive while "on diversion".
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Indicator	Definition	Data	Comments
2e. Surge Report		<p style="text-align: center;">Crowding Level Comparison</p> <div style="display: flex; justify-content: space-around; font-weight: bold;"> New Facility Surge Plan Suspended New Facility Surge Plan Operational </div> <p style="text-align: center;">% Distribution</p> <p style="text-align: center;">12/08 1/09 2/09 3/09 4/09 5/09 6/09 7/09 8/09 9/09 10/09 11/09 12/09</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Dangerously OC Severely OC OverCrowded Extremely Busy Busy Not Busy </div>	

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Indicator	Definition	Data	Comments		
Indicator #3 – Trends for Patient Diversions and Transfers & #4 – Transfers to Rancho Los Amigos Metrics					
3. & 4. Rancho Los Amigos Hospital (RLAH) Transfers	<p>Transfers: The volume of patients transferred to RLAH for acute hospitalization from the Emergency Department and from Inpatient Units.</p> <p>Data Source: Manual record keeping.</p> <p>Cancelled category includes patients whose condition changed leading to higher level of care or discharge home.</p>	<u>Month of Dec</u>			
		<u>Referrals from ER:</u>			
			Med/Surg	Acute Stroke	Total
		# Met transfer criteria	71	NA	-
		# Referred to RLAH	64	30	94
		# Transfers	50	30	80
		# Denied	14	NA	-
		# Cancelled	7*	NA	-
		# Patients refused*	4	NA	-
		<u>Referrals from Inpatients:</u>			
	Med/Surg	Acute Stroke	Total		
# Met transfer criteria	39	NA	-		
# Referred to RLAH	39	11	50		
# Transfers	20	11	31		
# Denied	7	NA	-		
# Cancelled	12*	NA	-		
# Patients refused*	0	NA	-		
Other /Pending	0	NA	-		

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Indicator	Definition	Data	Comments																																																																																										
		<div><p>Rancho Med Surg Transfers Workload</p><table><thead><tr><th>Month</th><th>ER</th><th>Inpt</th></tr></thead><tbody><tr><td>Nov '08</td><td>8</td><td>27</td></tr><tr><td>Dec '08</td><td>10</td><td>28</td></tr><tr><td>Jan '09</td><td>24</td><td>29</td></tr><tr><td>Feb '09</td><td>22</td><td>26</td></tr><tr><td>Mar '09</td><td>24</td><td>32</td></tr><tr><td>Apr '09</td><td>27</td><td>34</td></tr><tr><td>May '09</td><td>24</td><td>28</td></tr><tr><td>Jun '09</td><td>27</td><td>27</td></tr><tr><td>Jul '09</td><td>14</td><td>54</td></tr><tr><td>Aug '09</td><td>24</td><td>59</td></tr><tr><td>Sep '09</td><td>26</td><td>49</td></tr><tr><td>Oct '09</td><td>25</td><td>52</td></tr><tr><td>Nov '09</td><td>25</td><td>39</td></tr><tr><td>Dec '09</td><td>20</td><td>50</td></tr></tbody></table></div> <div><p>Patients Transferred Out</p><table><thead><tr><th>Month</th><th>Other Hospitals</th><th>Rancho</th></tr></thead><tbody><tr><td>Nov '08</td><td>14</td><td>59</td></tr><tr><td>Dec '08</td><td>20</td><td>68</td></tr><tr><td>Jan '09</td><td>14</td><td>79</td></tr><tr><td>Feb '09</td><td>18</td><td>65</td></tr><tr><td>Mar '09</td><td>29</td><td>77</td></tr><tr><td>Apr '09</td><td>35</td><td>80</td></tr><tr><td>May '09</td><td>37</td><td>82</td></tr><tr><td>Jun '09</td><td>32</td><td>94</td></tr><tr><td>Jul '09</td><td>33</td><td>101</td></tr><tr><td>Aug '09</td><td>36</td><td>113</td></tr><tr><td>Sep '09</td><td>31</td><td>99</td></tr><tr><td>Oct '09</td><td>62</td><td>96</td></tr><tr><td>Nov '09</td><td>70</td><td>98</td></tr><tr><td>Dec '09</td><td>61</td><td>111</td></tr></tbody></table></div> <p>Data was revised to reflect total # of patients (including stroke patients) referred to Rancho</p>	Month	ER	Inpt	Nov '08	8	27	Dec '08	10	28	Jan '09	24	29	Feb '09	22	26	Mar '09	24	32	Apr '09	27	34	May '09	24	28	Jun '09	27	27	Jul '09	14	54	Aug '09	24	59	Sep '09	26	49	Oct '09	25	52	Nov '09	25	39	Dec '09	20	50	Month	Other Hospitals	Rancho	Nov '08	14	59	Dec '08	20	68	Jan '09	14	79	Feb '09	18	65	Mar '09	29	77	Apr '09	35	80	May '09	37	82	Jun '09	32	94	Jul '09	33	101	Aug '09	36	113	Sep '09	31	99	Oct '09	62	96	Nov '09	70	98	Dec '09	61	111	
Month	ER	Inpt																																																																																											
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Indicator	Definition	Data	Comments
Indicator #5 – Harris Rodde Indicators			
5. Average Length of Stay (ALOS) *Harris Rodde Indicator	<p>LOS: The difference between discharge date and the admission date or 1 if the 2 dates are the same.</p> <p>Total LOS:</p> <p>Calculation: ALOS is the arithmetic mean calculated by dividing the Total LOS by the Total # of discharges in the monthly reporting period, rounded off to one decimal place.</p> <p>Source of Data: Affinity</p> <p>Target: <5.5 days</p>	<p>*Healthcare Network ALOS - Preliminary data pending Auditor-Controller validation</p> <p style="text-align: center;">ALOS</p> <p>Legend: —◆— Target ALOS —■— Actual ALOS</p>	<p>Overall trend in ALOS for the 2-year period prior to the move reduced to a low range of 4.7 – 5.5 days in 2008. Immediately prior to the move, the ALOS increased as the lower acuity patients were transferred to other facilities. This trend may continue depending on number of transfers.</p>

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Indicator	Definition	Data					Comments
Indicator #6 – Pediatric Metrics							
6. Pediatric Bed Census and Occupancy (%) Pediatric ICU (PICU) Neonatal ICU (NICU) Pediatric Unit Adolescent Unit	Census: The total number admitted pediatric inpatients at 12:00 AM midnight of a designated pediatric ward. Occupancy: The total number of admitted pediatric inpatients divided by the total number of licensed beds on that unit and reported as percentage. Source of Data: Affinity						
		Date	NICU (40 Beds)	Peds Ward (25 Beds)	PICU (10 Beds)	Med/Surg Adolescent (20 Beds)	
		Nov-08	56%	54%	50%	33%	
		Dec-08	52%	60%	60%	40%	
		Jan-09	52%	68%	70%	75%	
		Feb-09	50%	80%	80%	85%	
		Mar-09	57%	72%	70%	80%	
		Apr-09	57%	60%	60%	75%	
		May-09	62%	72%	70%	80%	
		Jun-09	60%	64%	60%	75%	
		Jul-09	57%	72%	60%	80%	
		Aug-09	55%	64%	60%	80%	
		Sep-09	55%	68%	70%	80%	
		Oct-09	45%	60%	60%	80%	
		Nov-09	35%	64%	70%	70%	
Dec-09	40%	64%	70%	65%			